

## A New Root Gall Midge from *Smilacina* (Dipt.).

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### *Dasyneura smilacinae* n. sp.

The insect described below was reared by me at Ithaca, New York, January 15, 1910, from root galls on false Solomon's Seal, *Smilacina racemosa*.

*Female*.—Length 1.5 to 2.5 mm. Face, light yellow, slightly darker at apex; labrum, yellow, somewhat darker at tip and fringed on its free margin with fine hairs. Antennæ, dark brown; 17 sessile segments, extending to second abdominal segment; basal segment, goblet shaped; second, globular and inserted in hollow of first; first two and basal half of third segments lighter in color than remaining segments; the fifth cylindric, with a length about twice its diameter; subbasal whorl sparse, subapical whorl long, scattering; terminal segment narrowly conical, with a length three times its diameter and tapering rather abruptly from the distal third. Palpi quadriarticulate, first segment subquadrate, the second rectangular with a length three times its diameter, the third one-half longer, more slender; the fourth longer and more slender than the third.

Pro- and meso-thorax marked dorsally with three dark brown longitudinally extending spots, placed side by side, with center one slightly cephalad. Center spot rounded in front, tapering to a point behind. Outer spots roughly crescent shaped, with convex sides placed towards the center.

Abdomen light yellow or white, covered dorsally with brown scales, forming broad but somewhat indistinct bands. Posterior margins of segments fringed with long yellow hairs. Ovipositor, fully extended, about three-fourths as long as body; terminal lobes with a length four to five times their width, slightly tapering, thickly setose; minor lobes short.

Wings hyaline covered sparsely with long light brown hairs; subcosta uniting with costa at the basal third; the third vein slightly curved and joining the margin at the distal ninth; the fifth at the distal fourth, its branch just before the basal half; costa thickly clothed with brown hairs and a few elongated scales.

Halteres with stalk transparent and knob light brown or with an opaque spot.

Legs, light straw, sparsely covered with short light brown hairs. Tarsi somewhat darker; first two segments as long as last three; claws slender, strongly curved, unidentate, the pulvilli a little shorter than the claws.

*Male*.—Length, 1 mm. Antennae probably with 17 segments, the fifth with a stem about one-third the length of the cylindric basal enlargement, which latter has a length twice its diameter. Stalks of segments lighter in color than basal enlargements. Other characters of male indistinct, the one specimen being in very bad condition.